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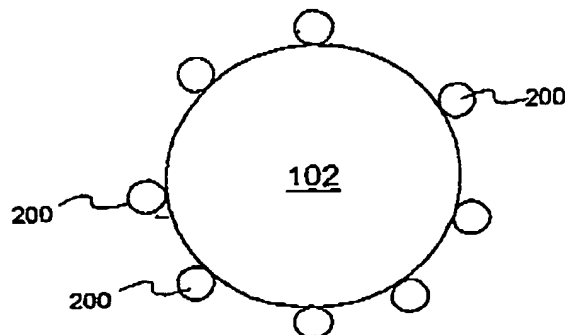
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11 December 2003(72) Inventors: YADAV, Tapesh; 8724 Skyland Drive, Long-
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(54) Title: NANO-DISPERSED POWDERS AND METHODS FOR THEIR MANUFACTURE



(57) Abstract: Dispersed powders are disclosed that comprise fine nanoscale powders (200) dispersed on coarser carrier powders (102). The composition of the dispersed fine powders may be oxides, carbides, nitrides, borides, chalcogenides, metals, and alloys. Fine powders discussed are of sizes less than 100 microns, preferably less than 10 micron, more preferably less than 1 micron, and most preferably less than 100 nanometers. Methods for producing such powders in high volume, low-cost, and reproducible quality are also outlined. Such powders are useful in various applications such as catalysis, sensor, electronic, electrical, photonic, thermal, biomedical, piezo, magnetic, catalytic and electrochemical products.

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